

# Purchase Order Receipt Listing

Friday, November 04, 2016 11:00:43 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po34079 Receipt Dates from 11/3/2016 to 11/3/2016 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID	Line Nbr	Project ID	Reference/Description/Cert Std	PO U/M	Required To Be Received Qty	Recv Date/Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/Recv Value	Inspected Qty/Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
<b>Vendor ID: VC-CAM002 Acier Ouellette Inc.</b>											
PO34079	1		M304S18GA sf		11/3/2016	11/3/2016	128.0000	\$3.91	0.0000	0	\$501.01
CAL	No		304/316 .050 Sheet m136036		128.0000	PLOU01		\$501.01	0.0000	0	
3			M6061T6B0.375X0.100		11/3/2016	11/3/2016	12.0000	\$0.91	0.0000	0	\$10.87
No			061T6 BAR .375 x 1.00		12.0000	PLOU01		\$10.87	0.0000	0	
4			M6061T6B2.000X0.350		11/3/2016	11/3/2016	12.0000	\$17.90	0.0000	0	\$214.76
No			6061-T6 Bar 2.00 x 3.50		12.0000	PLOU01		\$214.76	0.0000	0	
7			M1010S18GA sf		11/3/2016	11/3/2016	64.0000	\$1.12	0.0000	0	\$71.59
No			1010/1025 SHEET .048		64.0000	PLOU01		\$71.59	0.0000	0	
8			M303H0.500 f		11/3/2016	11/3/2016	12.0000	\$2.87	0.0000	0	\$34.45
No			303 HEX BAR .500 m136036		12.0000	PLOU01		\$34.45	0.0000	0	
9			M303R0.500 f		11/3/2016	11/3/2016	24.0000	\$1.43	0.0000	0	\$34.38
No			303 Round Bar 0.500" f m136036		24.0000	PLOU01		\$34.38	0.0000	0	
10			M303R1.000 f		11/3/2016	11/3/2016	12.0000	\$5.37	0.0000	0	\$64.43
No			303 Round Bar 1.00 f m136036		12.0000	PLOU01		\$64.43	0.0000	0	
11			M304S16GA sf		11/3/2016	11/3/2016	128.0000	\$4.85	0.0000	0	\$621.25
No			304/316 Sheet .063 m136036		128.0000	PLOU01		\$621.25	0.0000	0	

Purchase Order # 1234567890  
 Project # 1234567890  
 Vendor Name: ACIER ONCELLETTE INC.  
 PO # 1234567890  
 Date: 11/03/2016  
 Curr Type: CASH  
 Insp Req: No  
 Reference/ Desc: 304/316 Sheet .032  
 Cert Std: m136036  
 PO Unit: SF  
 Stock: 304/316 Sheet .032  
 Cert Std: m136036

Line	Qty	Unit	Price	Total	Required Date	Received Date	Received Qty	Received Unit	Cost Per Unit	Inspected Qty	Rejected Qty	MRB Qty	Book Amt
1	32.0000	SF	\$111.86	\$3,580.32	11/3/2016	11/3/2016	32.0000	PLOU01	\$111.86	0.0000	0.0000	0	\$111.86
2	0.0000	SF											
3	0.0000	SF											
4	0.0000	SF											
5	0.0000	SF											
6	0.0000	SF											
7	0.0000	SF											
8	0.0000	SF											
9	0.0000	SF											
10	0.0000	SF											
11	0.0000	SF											
12	0.0000	SF											
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81	0.0000	SF											
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91	0.0000	SF											
92	0.0000	SF											
93	0.0000	SF											
94	0.0000	SF											
95	0.0000	SF											
96	0.0000	SF											
97	0.0000	SF											
98	0.0000	SF											
99	0.0000	SF											
100	0.0000	SF											

Total Received Quantity:  
 Total Qty to Inspect (PO U/M):  
 Total Reject Quantity:  
 Total Receipt Value:  
 Total Balance Due Quantity:



# Order - Sales

Copy

CO00000605

ACIER OUELLETTE INC.  
935, Boul. du Hâvre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

Date

Delivery date

Your order N°

Processed by

Salesman

Carrier

Credit Terme

CLI0001056

2016/10/31

2016/11/03

34079

Josianne Bourdon

OUELLETTE VALLEYFIELD

NET 30

Page

1

## Billed to

DART AEROSPACE LTD  
DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

## Shipped to

DART AEROSPACE LTD  
DART AEROSPACE LTD

Alt : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB		Internal Use Only			
				CMP	EXP	B/O	IN	I	S C
1 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 4 X 4' X 8' HEAT: 509161	268.80	128.00	PI2_\$CLB	0.00					OUT
2 AL. FEUILLE 5052H32 .040 1 X 4' X 8' HEAT: B/O NS000000199	1.00	UN	UN	0.00					
3 FLAT ALU 3/8 X 1 6061-T6 RANDOM FAL-381-V 1 X 12' DC HEAT: 200189048 DAS 9 9-89	5.40	12.00	PI_\$CLB	0.00					
4 AL. PLAT 6061T6 2 X 3 1/2 1 X 12' HEAT: 201616682 DAS 9 9-89 NS000000200	12.00	PI_\$PI	PI_\$PI	0.00					

Next Page...



**ACIER OUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

**Order - Sales**

**Copy** C000000605

**Customer N°** CLI0001056

**Date** 2016/10/31

**Delivery date** 2016/11/03

**Your order N°** 34079

**Processed by** Josianne Bourdon

**Salesman**

**Carrier**

**Credit Terme**

OUELLETTE VALLEYFIELD

NET 30

**Page** 2

**Billed to**

DART AEROSPACE LTD  
DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

DART AEROSPACE LTD  
DART AEROSPACE LTD

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Delivery Route** 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S C
5 TUBE ROND AL 6061T6 3/8 OD X .058 4 X 12" HEAT: B/O NS000000201		4.00	UN	0.00					OUT
6 CR SHEET 18G (4 X 8) FECR-18G48 2 X 4' X 8' HEAT: TU-8200715E60-2016 // TU-6200715E60-2016 3280	128.00	64.00	PT2_\$CLB	0.00					
7 HEXAGONE SS 303 1/2" DAS 1 X 12" R/L HEAT: 4G693 9-89 NS000000203		1.00	UN	0.00					
8 ROND S5303 1" DAS 1 X 12" R/L HEAT: 061V 9-89 NS000000204		12.00	PL_\$PI	0.00					

Next Page...



# ACIER OUELLETTE INC.

935, Boul. du H vre  
Salaberry de Valleyfield (Qu bec) J6S 5L1  
T l.: 450-377-4248 MB: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

## Order - Sales

Customer N   
Date  
Delivery date  
Your order N   
Processed by  
Salesman  
Carrier  
Credit Terme  
Page

CLI0001056  
2016/10/31  
2016/11/03  
34079  
Josianne Bourdon  
OUELLETTE VALLEYFIELD  
NET 30  
3

### Billed to

DART AEROSPACE LTD  
DART AEROSPACE LTD  
1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

DART AEROSPACE LTD  
DART AEROSPACE LTD

Att : CHANTAL LAVOIE T l.: 613-632-5200

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
9 SHEET SS 16G SS304-28 (4 X 8) FESS-16G483042B 3419 4 X 4' X 8' DAS 9 HEAT: X2V0 9-89	336.00	128.00	PT2_\$CLB	0.00						
10 ROUND SS 1/2 303 (12R) RSS-12303-12 DA\$726 2 X 12' RAL 9 HEAT: TAM5 9-89	16.01	24.00	PL_\$CLB	0.00						
11 FEUILLE SS304 #4 22G NS000000305 1 X 4' X 8' HEAT: X8V0	1.00	UN	UN	0.00						
12 TUBE AL.6061T6 5/16OD X .058 NS000000306 2 X 12' HEAT: B/O	2.00	UN	UN	0.00						

Next Page...

**ACIER QUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 MB: 514-336-4248 EX  
Fax: 450-377-5696 MB: 514-336-4246 EX

## Order - Sales

CO00000605

Customer N° CLI0001056

Date 2016/10/31

Delivery date 2016/11/03 00:00

**Your order N°**  
**34079**

Processed by  
Josianne Bourdon

Salesman

**Carrier** QUELLETTE VALLEYFIELD

**Credit Terms**

Page 4

## Billed to

**DART AEROSPACE LTD**  
**DART AEROSPACE LTD**  
**1270, ABERDEEN ST.**  
**HAWKESBURY, Ontario, K5A 1K7**

## Shipped to

**DART AEROSPACE LTD**  
**DART AEROSPACE LTD**

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

[illegible]

Total Weight (LBS): 754.21

**Conditions :**

**Conditions:**  
All sold and delivered materials remain the property of "Acer Outlette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Outlette Inc" is the same as offered and honored by the manufacturer and its warranty is transferred by "Acer Outlette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to 20% restocking charge.

Prepared By :

Verified By :

Delivered By :

Time

**Customer's Signature**

Y. M. D.

Total (\$CAD)

**Deposit**

## Balance

**3 342.62**

0.00

3 342.62

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S18GA  
 DATE: 11/11/10

PO / BATCH NO.: P034079 / 136036

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 128  
 QUANTITY INSPECTED: 128  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .050  
 THICKNESS RECEIVED: .049  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	304
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	.049
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N	ASME SA-240
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	Heat # 509161
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	M304S18GA
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	M136036
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					


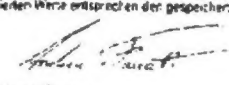
*testers located in the Quality Office*

QC 18 INSPECTION <span style="float: right;">48</span> INSPECTED BY: <u>9-89</u> DATE: <u>11/11/10</u>	ENGINEERING SIGNOFF (if required) SIGNED OFF BY: _____ DATE: _____
--	--

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

PSS4818

#

Manufacturer / Fabricante / Herstellerwerk <b>outokumpu</b> 		Type of document / Tipo de documento / Art der Prüfbescheinigung <b>INSPECTION CERTIFICATE</b> CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / N° de certificado / Bescheinigungs-Nr. <b>0000176860 /</b> Page / Pagina / Seite <b>1 / 1</b>							
1 Steel Drive; P.O. Box 13000; Calvert, AL 36513-1300  DAS 48 9-89 16/11/10			Customer / Ship to / Cliente / Bestellen/Empfänger <b>SAMUEL, SON &amp; CO. LIMITED, LAVAL</b> Customer's order number / N° de Pedido Cliente / Kundenbestell-Nr. <b>C16564</b> Manufacturer's work order no. / N° de Pedido Manufactura / Werksauftrag-Nr. <b>901194046 / 003</b> Delivery note no. / N° de Entrega / Lieferungs-Nr. <b>85380638 / 020</b> Product / Producto / Erzeugnis <b>SHEET/HOJAS/BLECH</b>								
Terms of delivery / Condiciones de entrega / Lieferbedingungen <b>ASTM A240/240M, ASME SA-240 Sec.II Part A Ed. 2015</b> <b>ASTM A480/480M, ASME SA-480 Sec.II Part A Ed. 2015</b> <b>ASTM A666-15</b>			Steel grade and quality / Acero / Stahlsorte und Gütegruppe <b>TYPE 304L/304</b>								
Customer's material no. / N° de material del cliente / Kundenmaterial-Nr.  Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge) <b>1.15 mm x 1,219.20 mm x 2,438.40 mm</b> <b>0.0451 inch x 48.0000 inch x 96.0000 inch</b>		Steelmaking procedure / Proceso de manufactura / Herstellart <b>ADD</b>		Finish / Acabado / Ausführung <b>11c / 2B</b>							
Packing No. / N° de Empaque / Paket-Nr.	Qty of pieces / Pzcs / Stückzahl	Actual weight / Peso actual / Ist-Gewicht	Coil No. / Bobina No. / Band-Nr.	Heat No. / Colada / Schmelz-Nr.	Sample Id. / N° de muestra / Proben-Id.						
6866528	50	3,170 lb / 1,438 kg	767869	509161	1000349522						
6866548	50	3,172 lb / 1,439 kg	767869	509161	1000349522						
6866568	50	3,170 lb / 1,438 kg	767869	509161	1000349522						
Sum / Suma / Summe		150	9,512 lb / 4,315 kg								
Heat / Colada / Schmelz	Country of Heat / País de colada / Erzeugnisland	Chemical composition / Composición Química / Chemische Zusammensetzung									
509161	USA	% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Ni	% N	% Cu
		0.027	0.36	1.40	0.030	0.0010	18.16	0.41	8.03	0.060	0.46
Sample Position / Local de la muestra / Probenlage		TRANSVERSE									
Inspection lot / Lote de inspección / Proben	YS0.2% PSI / MPa	T8 PSI / MPa	B. A2" %	HRB							
1000349522	42,929 / 296	93,111 / 642	56.6	82							
1000350176	42,204 / 291	92,675 / 639	57.3	82							
Dimensions surface / Dimensiones Superficie / Maße Oberfläche: Test of identity (spectral analysis) / Control de identidad (análisis espectrográfico) / Verwechslungsprüfung (Spektralanalyse)											
Heat Treatment: Solution annealed 1920°F Min / Air cooled Bending test: O.K. No welding or weld repairs were performed on this material. OFARS 225.872-1 Compliant No intentional additions of Mercury compounds were made or used Free of radioactive contamination EU RoHS Directive 2011/65/EU Compliant Product manufactured in the USA Country of Heat as per ISO 3166-1											
Originator of the document / Originador del documento / Aussteller der Bescheinigung <b>Outokumpu Stainless USA, LLC</b> <b>An ISO 9001:2008 certified company</b> <b>EU PED 97/23/EC, Annex I, 4.3 certified</b> Certificate is generated automatically / Certificado es generado automáticamente / Das Zeugnis wurde elektronisch erstellt		The information provided is a true copy of data on file / Los valores mostrados corresponden a los datos archivados / Die gegebenen Werte entsprechen den gespeicherten Daten  Andrew Faucet Phone: +1 251 828 3492 Name of expert / Nombre de experto / Name des Sachverständigen		Date of issue and validation / Fecha de emisión y validación / Datum Ausstellung / Bestätigung <b>01/29/2016</b> This document shall not be altered or reproduced, except in full, fraudulently, forgeries, or false statements or entries may be prosecuted by law.							



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B.375x1.00

PO / BATCH NO.: P034012/M136036

DATE: 16-11-14

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .375

QUANTITY RECEIVED: 12

THICKNESS RECEIVED: .378

QUANTITY INSPECTED: 12

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	(Y) (N)	
CORRECT MATERIAL	(Y) N	ASTM B221
CORRECT REF # TO LINK CERT	(Y) N	200139043
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9</u> DATE: <u>16-11-14</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

#3

FAL-3812 69281

# KAISER ALUMINUM FABRICATED PRODUCTS

*[Handwritten signature]*

**CERTIFIED TEST REPORT**  
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
5205 KAISER DRIVE  
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: 776346-1		CUSTOMER PART NUMBER: 61314856/STK		PRODUCT DESCRIPTION: .375 X 12.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 6004515	LINE ITEM: 001	SHIP DATE: 03/10/2016	KAISER LOT NUMBER: Z00189048	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 16.000 PCS	BA NUMBER: 615030	DIAMETER/THICKNESS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: 			SOLD TO: 		

## Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00189046	0001	0001	44.4	40.2	13.3	RE 96	N/A	N/A
Z00189048	0001	0002	45.2	40.8	12.4	RE 95	N/A	N/A

DAS  
9  
9-89

## Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Sr	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105855	.62	.28	.24	.07	.85	.06	.04	.02	.00	.00	.00	.01	.03

## Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-290/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

## Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

## CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

*Aimee L. Macnowski*

Plant Serial: 00220972  
Kaiser Order Number: 6004515  
Line Item: 001

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 116061T6B2.00X3500

PO / BATCH NO.: P034079/M136036

DATE: 16-11-14

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12'  
 QUANTITY INSPECTED: 12'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.000"  
 THICKNESS RECEIVED: 2.010"  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	ASTM B221
CORRECT REF # TO LINK CERT	(Y)	N	201616632
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>9</u> DATE: <u>16-11-14</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

# Certificate of Mill Test Results

BARRE RECT. ALUMINIUM 6061-T6511  
2.00" x 3.50" x 144.0000"  
PART NO.

PO/Ref: AC00000201  
Nous certifions que le document reproduit ici est  
une copie conforme du rapport fourni par le  
fournisseur du matériel ou les données résultant

de l'analyse faite par un laboratoire qualifié.  
SIGNÉ PAR: LUCY TRUGLIO  
ATM

BL VTM-492195-001  
2N0016  
Pg 1/3

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



**Service Center Metals**  
5850 Quality Way  
Prince George, VA 23875



INQUIRY NUMBER: 310815  
CUSTOMER PO: VIM-637523  
CUSTOMER PART NUMBER: MRB0481  
DATE OF SHIPMENT: 10/12/2016  
SALSPERSON: D. Schroeder (Canada)  
SPECIFICATION: AMS-QQA-200/8 Rev-A  
QSR 20008 NUMBER: 272643  
ITEM: 7

ONE NUMBER: MRB0481  
ALL LOT/TEMPER: 6061-T6511  
DESCRIPTION: MCRB 2.000x3.500

Quantity Certified: 4,596 lbs 47 pcs

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described therein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

### Mechanical Properties

Tests: Lot No.

2 201616682

DA 9 1 201617182  
9-8

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
9/28/16	min 47.90 max 49.50	min 43.80 max 45.70	min 15.45 max 17.30
10/8/16	min 47.90 max 47.90	min 44.20 max 44.20	min 16.00 max 16.00

SCM products are melted and extruded in the USA

Print Date: 10/12/2016

Calvin J. Wiggins, Director of Quality & Technical Services

# Certificate of Mill Test Results

BL VDM-492195001

2 Nov 16  
Pg 2/3

de l'analyse faite par un laboratoire qualifié  
SKONE YARE LOCY TRUGLIO

P/O Ref: AC00049201

Nous certifions que le document reproduit ici est  
une copie conforme du rapport formel pour le  
fournisseur du matériel ou les données résultant

ACIER QUELLETTE DIV-VALLEYFIELD  
BARRÉ RECT. ALUMINIUM 6061-T6S11  
2.00" x 3.50" X 144.0000"  
PART NO.

## CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



**Service Center Metals**

5850 Quality Way  
Prince George, VA 23875

Can Do.



OUR ORDER NUMBER	7
272643	

DATE OF SHIPMENT  
10/12/2016  
ASTM-B221-14 Stencil Cont  
SPECIFICATION  
AMS-QQA-20018 Rev-A

AGE NUMBER  
MRB0481  
ALLOT / TESTER  
6061-T6S11  
DESCRIPTION  
MORB 2.000x3.500

SHIPMENT NUMBER  
310615  
CUSTOMER PO  
VIM-637523  
CUSTOMER PART NUMBER  
MRB0481

Quantity Certified 4,686 lbs 47 pcs

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DEARS compliant.

### Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others		Melt Source:
												Each	Total	
09121601	201616682	6061	0.73	0.37	0.31	0.10	0.89	0.08	0.08	0.02	97.42	0.05	0.16	United States of America
09171605	201616682	6061	0.73	0.37	0.32	0.10	0.88	0.11	0.07	0.03	97.39	0.05	0.15	United States of America
09301603	201617182	6061	0.73	0.38	0.30	0.09	0.91	0.09	0.06	0.02	97.42	0.05	0.15	United States of America
1K160909Y	201616682	6061	0.76	0.42	0.32	0.10	0.89	0.10	0.04	0.03	97.94	0.05	0.15	United States of America
1K160910B	201616682	6061	0.74	0.39	0.32	0.10	0.88	0.10	0.05	0.03	97.39	0.05	0.15	United States of America

Print Date: 10/12/2016

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 00/01

ACIER OUKLETTE DIV. VALLEYFIELD  
 BARRE RECT. ALUMINIUM 6061-T6511  
 2.00" X 5.50" X 144.0000"  
 PART NO.

Certificate of Mill Test Results  
 BL VDM-492195-101  
 2N0V16  
 Pg 3/3

PO/Ref: ACO00000201  
 Nous certifions que le document reproduit ici est  
 une copie conforme du rapport fourni par le  
 fournisseur du matériel ou les données résultant  
 d'analyses faites par un laboratoire qualifié.  
 SIGNED FOR: LUCY TRUGLIO  
 AMB:



**Service Center Metals**  
 5850 Quality Way  
 Prince George, VA 22875



**CERTIFIED INSPECTION REPORT AND TEST RESULTS  
 FOR EXTRUDED PRODUCTS**

DATE OF INSPECTION	272643	ITEM	8
CERTIFICATION	ASTM-B221-14 Standard		
SPECIFICATION	AMS-QQA-2008 Rev-A		
REGULATION	RoHS 2011/65/EU Compliant		

DATE OF SHIPMENT: 10/12/2016  
 SALESPERSON: D. Schroeder (Canada)  
 DUE NUMBER: MRB1859  
 ALLOY/Temper: 6061-T6511  
 DESCRIPTION: MQRB 2.000 x 8.000  
 SHIP TO: 310615  
 CUSTOMER PO: VIM-637523  
 CUSTOMER PART NUMBER: MRB1859  
 Quantity Certified: 4,788 lbs 21 pcs

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.  
 This product is RoHS-2, REACH, and DFARS compliant.

**Mechanical Properties**

Tests	Lot No.	Test Date		Ultimate Tensile Strength (KSI)		Yield Strength (KSI)		Percent Elongation	
		min	max	min	max	min	max	min	max
1	201615223	52.60	52.60	49.10	49.10	13.15	13.15	16.50	16.50
1	201617125	50.80	50.80	46.90	46.90	13.15	13.15	16.50	16.50

**Chemical Composition for Aluminum Alloy 6061**

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Others	Melt Source
08251601	201615223	6061	0.77	0.36	0.32	0.09	0.89	0.10	0.07	0.02	97.38	0.05	0.15	0.05	United States of America
08271603	201615223	6061	0.73	0.35	0.31	0.10	0.91	0.08	0.06	0.02	97.44	0.05	0.15	0.05	United States of America
08271604	201615223	6061	0.78	0.35	0.30	0.10	0.92	0.08	0.06	0.02	97.39	0.05	0.15	0.05	United States of America
1M1609078	201617125	6061	0.75	0.38	0.32	0.11	0.89	0.10	0.06	0.03	97.35	0.05	0.15	0.05	United States of America
1M160929C	201617125	6061	0.76	0.38	0.33	0.11	0.88	0.11	0.03	0.03	97.39	0.05	0.15	0.05	United States of America

SCM products are melted and extruded in the USA

*Calvin J. Higgins*

Calvin J. Higgins, Director of Quality & Technical Services

Print Date: 10/12/2016

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1010S18G A  
 DATE: 10/11/10

PO / BATCH NO.: 1034079 / 136036

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 64  
 QUANTITY INSPECTED: 64  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .050  
 THICKNESS RECEIVED: .045  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>.045</u>
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>ASTM 1008</u>
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>Heat # TD-62087 8200715660-2010</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>M1010S18G A</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>136036</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>		<b>ENGINEERING SIGNOFF (if required)</b>	
INSPECTED BY: <u>48</u> <u>9-89</u> DATE: <u>10/11/10</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in





## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303H0.500  
 DATE: 16-11-14

PO / BATCH NO.: P034029/M156036

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: N/A  
 THICKNESS RECEIVED: N/A  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	ASTM A532
CORRECT REF # TO LINK CERT	(Y) N	45693
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9-89</u> DATE: <u>16-11-14</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ACIER OUELLETTE DIV-VALLEYFIELD  
 BARRE HEX ACIER INOX 303  
 .50" HEX X 146.5000"  
 PART NO.

PO/Ref AC00040203  
 Nous certifions que le document reproduit ici est  
 une copie conforme du rapport fourni par le  
 fournisseur du matériel ou les données résultant  
 d'essai.

Certificate of Mill Test Results  
 BL VTM-492196-002  
 28Nov16  
 Pg 1/1  
 de l'analyse faite par un laboratoire qualifié.  
 SIGNÉ PAR: LUCY TRUGLIO  
 AMSI



# INSPECTION CERTIFICATE

CUSTOMER : TA CHEN STAINLESS PIPE CO., LTD.  
 COMMODITY: Stainless Steel Cold Drawn Hexagonal Bar (H)  
 CERTIFICATION NO: A1510300659  
 ORDER NO.: 104980003/LS3620  
 SUECIFICATION: 303

Heat No	Thick (Dia) (inch)	Pcs	Wt (LBS)	Chemical Composition(wt%)										TS N/mm2
				C x100	Si x100	Mn x100	P x1000	S x1000	Ni x100	Cr x100	Mo x100	Cu x100	N x10000	
				15	100	200	200	150	800	1700				
Spec	Min													
45693	1/2"	137	1215	5.9	23	192	30	321.3	805	1761	15	81	323	745
45693	1/2"	137	1215	5.9	23	192	30	321.3	805	1761	15	81	323	745
45693	1/2"	142	1259	5.9	23	192	30	321.3	805	1761	15	81	323	745
45693	1/2"	132	1171	5.9	23	192	30	321.3	805	1761	15	81	323	745
			Total:	4860										

TOLERANCE:  
 Acc. to ASTM A582-12 Cond.A.  
 Acc. to ASTM A584-12 Type 1/00-S-764.  
 This inspection certificate is issued acc. to EN 10204 2.2.  
 Remark:

Solution annealed treatment: Acc. to ASTM A484-13a. Melted manufactured: Taiwan / Improved machining.		SUPPLY CONDITION: A: Annealed B: Shot Blasted C: Gas Casted E: Reheated/ Skin Pass H: Precipitation Hardening M: Hot Rolled N: Straightened K: Cut Edge L: Polished W: Cold Rolled P: Pickled S: Shaved V: S/R W: Cut X: Temper CD: Cold Draw CG: Centerless Ground PL: Turned or Peened		We have the follow: 1. ISO 9001:2008 Qu 2. ISO 14001:2004 En 3. PED & AD 2000-A 4. DNV - LR - ABS 5. ASME Quality M 6. ISO 14001:2004 B 7. OHSAS 18001:2007	
1. We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with requirement of the above material specification. 2. We certify that the material is free from mercury and radioactive contamination. Qualification No. of Taiwan Atomic Energy Committee: 136 3. The Above Testing Results Relate Only To The Items Tested. 4. No welding repaired		TEST METHOD: CHEMICAL-ASTM		Quality	

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303R1.00  
 DATE: 16-11-14

PO / BATCH NO.: P034079/M136036

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 12  
 QUANTITY INSPECTED: 12  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.00  
 THICKNESS RECEIVED: 1.00  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	ASTM A582
CORRECT REF # TO LINK CERT	(Y)	N	061U
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9</u> DATE: <u>16-11-14</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ACIER OUELETTE DIV-VALEVEFIELD  
 BARRE RONDE ACIER INOX 303  
 1.00" DIA X 145.5000"  
 PART NO.

PO/BAI AC000042023  
 Nous certifions que le document reproduit ici est  
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 fournisseur du matériel ou les données traitées

de l'analyse faite par un laboratoire qualifié.  
 SIGNED FOR: LUCY TRUCILO  
 Attn:

Certificate of Mill Test Results  
 BL VDA-492158001  
 20 Nov 16  
 Pg 1/3



North American Stainless Canada Inc.  
 7481 Impervia Road North  
 Guelph, ON N1K1Z3  
 Canada

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
 Chemt KY 41045-9615  
 (502) 347-6000

Certificate: 202332 1 Mail To:  
 Customer: 007205 001

Ship To:

Date: 7/26/2016 Page: 1  
 Steel: 301 A166  
 Finish: CDCC

Your Order: VTM635889

NAS Order: YH 0068776 05

Corrosion:  
 Red Ratio: 69.4 : 1

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw, Condition Ground  
 ASTM A563/12 ER 10204 3.1B, ASTM A464/08  
 NAS 56400 TYPE 1, 90S-7648 CONDITION A  
 - 303 Ultra For High Weldability

## REMARKS:

CONFORMS W/REQUIREMENTS OF ASTM 252-225-7009 ED DIRECTIVE  
 2011/65/EU ROHS. EXEMPTED-OC. NO WELD REPAIRS. MELTED AND NOT  
 TO USE FOR HIGH STRESS AND LOW MELTING ALLOY COMPOSITION

Product ID	Size # Dimensions	Size	Weight	Quantity	Mark	Place	Commodity Code
RT1118 5	1.0000	3.518	144.00	1			

## CHEMICAL ANALYSIS

CIN (Country of Origin)

ES (Spain) US (United States)

24 (South Africa) JP (Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certification 12313  
 Chemical Analysis per ASTM A751/146

Element	C %	Cr %	Co %	Cr %	Co %	Mo %	Ni %	Si %
061V	.0326	.0045	.2030	17.0185	.2675	1.8695	.2865	.0429
								8.4260
P %								
	.0265	.3225	.6155					

## MECHANICAL PROPERTIES

Product ID	1/4 IN	2105	UTB	2X	2105	22.94
	0.1	Mo.	ksi	ksi	%	% AD
RT1118 5	R L	190.0	78.58	100.55	32.36	22.94

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

CRIS LARK

7/26/2016

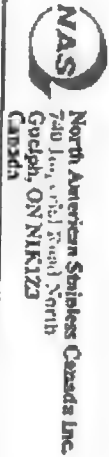
Doc No. 238355 Issued Large by msnpl

ACIER OUELLETTE DIV-VALLEYFIELD  
 BARRE RONDE ACIER INC. 303  
 1.00" DIA X 145.5000"  
 PART NO.

PO/Ref ACO0000243  
 Nous certifions que le document reproduit ici est  
 une copie conforme du rapport formulé par le  
 fournisseur du matériel ou les données mesurées

de l'analyse faite par un laboratoire qualifié.  
 SIGNED FOR: LUCY TRUGLIO  
 Attn:

Certificate of Mill Test Results  
 BL VDA-197106-001  
 28 Oct 16  
 Pg 2/3



# METALLURGICAL TEST REPORT

6570 Highway 42 East  
 Clinton, KY 40305-9615  
 (502) 347-6000

Certification: 202332 2 Mail To:  
 Customer: C07A05 C01

Ship To:

Date: 7/26/2016 Page: 1  
 Steel: 303 Ultra  
 Finish: COCO  
 Corrosion:

Your Order: VTM535889

MS Order: PM 0068776 05

303 Part: 69.4.1

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw, Centerless Ground  
 ASTM A582/12 EN 10204 3.1B, ASTM A484/08  
 303 5640U TYPE 1, Q35-764R CONDITION A  
 - 303 Ultra For High Machinability

REMARKS:  
 COMPLIES W/REQUIREMENTS OF WPMA 252.225-7009 EX DIRECTIVE  
 2011/65/EU. RONS. EXC-AOD+CC. NO WELD REPAIR. WELDED AND NEG  
 IN USA FUEL FROM SINKOVIT AND LOW WELDING ALLOY CONTAMINATION

Product ID	Sold # Diameter	Size	Weight	Length	Mark	Release Commodity Code
B1119 0	2.0000		827	144.00	2	1

CHEMICAL ANALYSIS									
ChemCountry of (Mat) (Eg:Swiss) (Un/United States) 24(9oun Ark) (Fg:Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certification 10323									
Chemical Analysis per ASTM A751/14x									
Mat	C %	Cr %	Co %	Cu %	Mn %	Mo %	N %	Si %	
061V	0.0326	0.0645	0.2030	17.0185	0.2675	1.8695	0.2865	0.6239	0.4260
P %	F %	ST %							
0.0265	0.3225	0.6155							

MECHANICAL PROPERTIES									
Product ID	1 d	RD	2YS	UTS	REX	HA	%	ELONG	% 4D
B1119 0	C %	Mo %	REX	REX	REX				
	RL	190.0	78.58	100.55	32.36			22.98	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Mgr.

ACIER OUELLETTE DIV.-VALLEYFIELD  
BARRE RONDE ACIER NOX. 303  
1.00" DIA X 145.5000"  
PART NO.

PO/Ref AC00000203  
Note certifier que le document imprimé ici est  
une copie conforme du rapport fourni par le  
fournisseur du matériel ou les données résultant

de l'analyse faite par un laboratoire qualifié.  
SIGNÉ PAR: LUCY TRUGLIO  
Avis:

Certificate of Mill Test Results  
BL VTM-402496-001  
2N0716  
Pg 3/3



North American Steeltech Canada Inc  
740 Highway 33, Unit 1 North  
Geoffrey, ON N1K1Z3  
Canada

# METALLURGICAL TEST REPORT

6870 Highway 42 East  
Chenail, KY 41045-9615  
(502) 347-6000

Certif/letero: 202332 3 Matl 301  
Certi/letero: 007205 001

Matl 301

Date: 7/26/2016 Page: 1

Your Order: VTM035089

Matl Order: TM 0068776 05

Corrosion:  
Red Ratio: 69.4 :1

## PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw, Centerless Ground  
ASTM A582/12 EN 10206 3.15, ASTM A184/08  
AMS 5640U Type 1, QCS-7643 CONDITION A  
" 303 Ultra For High Reliability"

## REMARKS:

CONVETER W/REQ/INFORMS OF DEAR 253.225-709 EN DIRECTIVE  
2011/65/EU. NON. EAV-100-CC. NO NEED REPAIR. RETIRED AND NOT  
IN USA FILE FROM PROTECTIVE AND LOW WEARING ALLOY COMPOSITION

Product Id	SIZE & Dimensions	SLID	Weight	Length	Mark	Pieces	Commodity Code
31119 2	1.0080		783		44.80	3	

## CHEMICAL ANALYSIS

Country of Man: B869001 (US/United States) 24(Bonus Action) JP(Japan)  
Lab Accreditation Bureau, ISO/IEC 17025, Certification 12323  
General Analysis per ASTM A751/14a

ITEM	CM	C %	CA %	CO %	CR %	CU %	MO %	N %	NI %
061V	0836	-0945	.2030	17.0185	.2675	1.8695	.2875	.6429	0.4260
P %		S %	SE %						
	.0265	.3225	.6155						

## MECHANICAL PROPERTIES

Product Id	1 4 0 1 82 e 2 me.	.275 RHZ	UTS KSI	RA %	ELONG % AD
31119 2	R 2	130.0	78.58	100.55	32.36
					22.98

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

Doc No. 238335 Issued Large by mapl

CRIS LAPT 7126/2016

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M3015166A

PO / BATCH NO.: P034079/M156036

DATE: 11-11-15

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 123 sq ft  
 QUANTITY INSPECTED: 123 sq ft  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 16 GA  
 THICKNESS RECEIVED: .063  
 SHEET SIZE ORDERED: 4'x8'  
 SHEET SIZE RECEIVED: 4'x8'

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	ASYM 9240
CORRECT REF # TO LINK CERT	(Y) N	8240
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*testers located in the Quality Office*

<b>QC 18 INSPECTION</b>	<b>ENGINEERING SIGNOFF (if required)</b>
INSPECTED BY: <u>9-89</u> DATE: <u>11-11-15</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

740 Imperial Road North

Serial: 124650      Mail To: Mr

Customer: 007035 510

## METALLURGICAL TEST REPORT

North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

Ship for

**Date:** ~~12/17/2015~~ **Page:** 1

Page 1304

Printed by the

Correlation: 0.957 12/22/16 11:19:00 AM

Order: PN 0059532 06

LEBEL

[illegible]

FURNISHES STEEL COILS, C.R. APPROVED & VICKED, TENS 35400  
 2240/354. A480/140, A665/15, A866/13, A240/13, A480/13, A665/13  
 A866 ONLY ON FOLLOWING SIZES: A276/13, A679/13, A866/13, A312/13  
 A866 ONLY ON FOLLOWING SIZES: A312/13, A679/13  
 SIZES 9135 XMRK, MTL-8-50590 APPROX (X CROSS MEAS)  
 SPACE ME0175/100 15156-3:2009 A, ME0103/07, Q00760-A X MAG FROM  
 NEW. SOLUTIONS AERIAL TEND 1900F WATER CONTAINED

風光入江區：

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1; Rings 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: MAP, AOD, & Cont. Casting  
Product Mfg by a Quality Mgt.Sys. in Conf. w/ISO 9001  
Inspected & Manufactured in the USA; Mat'l is DPA/C Compliant  
Inspected & Manufactured in the USA; Mat'l is DPA/C Compliant

Product Id	Coil #	Skid #	Thickness	Width	Weight	-----Length-----	Mark	Pieces	Commodity Code
0212V0 A	0212V0 A		.0575	48.0000	14.789	COYU		1	74254052

## CHEMICAL ANALYSIS

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
South Africa) JP(Japan) Chemical Analysis per ASTM A751/08

[illegible]

## MECHANICAL PROPERTIES

Product Id#	Cofl #	1 d o i c r	UTS	20C	.2% YS	20C ELONG	A	Hard	YS	Tell	Grain
			KSI	MPa	%-2"					Hard	Mo.
02X2V0 A	02X2V0 A	F T	99.40	51.35	46.48	89.00		86.50		12.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

**Technical  
Dept. Mgr.**

# SLAVEN JOURNAL

12/17/2012



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S22G-A4P  
 DATE: 16/11/10

PO / BATCH NO.: P034079 / 136036

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 32  
 QUANTITY INSPECTED: 32  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .032  
 THICKNESS RECEIVED: .029  
 SHEET SIZE ORDERED: 4x8  
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	304
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	.029
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	ASTM A240
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	Heat # X8U0
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	M 304S22G-A49
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N	M 136036
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>48</u> <u>9-89</u>	SIGNED OFF BY: _____		
DATE: <u>16/11/10</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



North American Stainless Canada Inc.  
740 Imperial Road North  
Guelph, ON N1K1Z3  
Canada

## METALLURGICAL TEST REPORT

6870 Highway 42 East  
Ghent, KY 41045-9615  
(502) 347-6000

ACIER OUELLETTE INC P.O. - AC00000206 B.O. - 382603

NS 205

Certificate: 165243 1 Mail To:

Customer: 007035 510

Ship to:

Date: 4/13/2016 Page: 1

Steel: 304

Finish: 3

Your Order: 774868

NAS Order: PM 0060607 18

Corrosion: ASTM A262/14 A:180band-OK

### PRODUCT DESCRIPTION:

STEEL COIL, C.R. ANNEALED & PICKLED; POLISHED; UNS 30400  
ASTM A240/15a, A480/14b, A666/15, ASME SA240/13, SA480/13, SA666/13  
CHEM ONLY ON FOLLOWING ASTM: A276/13, A479/13a, A484/13a, A312/13  
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13  
UNS 316L33 MARK; MTL-S-5059D ANNEAL3 (X CROWN MEAS)  
NACE MR0175/ISO 15156-3:2009 A, MR0103/07:Q05766D-A X MAG PERM  
MIN. SOLUTION ANNEAL TEMP 1900F, DANGER QUENCHED

### REMARKS:

Mat'l is Free of Mercury Contamination. No weld repairs.  
EN 10204:2004 3.1; ROES 1 & 2 Compliant  
Material is Free of Radioactive Contamination  
Steel Making Process: EAF, AOD, & Cont. Casting  
Product Mfg. by a Quality Mgt. Sys. in Conf. w/ISO 9001  
\*Melted & Manufactured in the USA; Mat'l is DPA's Compliant  
\*Melted & Manufactured in the USA; Mat'l is DPA's Compliant

Product Id	Coil #	Spid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
02X8V0 B	02X8V0 B		.0280	48.0000	10,220 COIL	22	1	74256181	

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323  
Chemical Analysis per ASTM A751/14a

HEAT	CM	C %	CR %	CU %	NI %	MO %	NI %	P %	S %
X8V0	US	.0480	18.1990	.3660	1.7320	.3880	.0616	8.0175	.0020

SI %

.2480

### MECHANICAL PROPERTIES

Product Id#	Coil #	1 d	0.1	UTS	20C	2% YS	20C ELONG	% Tail	Grain	Hard	Hard
02X8V0 B	02X8V0 B	FT	FT	96.94	KSI	51.95	%-2°	54.00	Mo.	R45T	R45T

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical  
Dept. Mgr.

KRIS LARK

4/13/2016

10/27/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO34079

Purchase Order Date 10/27/2016

PO Print Date 10/27/2016

Page Number 2 of 6

**Order From :**

VC-CAM002

**Ship To :** DART AEROSPACE LTD

CAMPI STEEL  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

3 M6061T6B0.375X01.000 6061T6 BAR .375 x 1.00 10/31/2016 12.00 \$1.22 \$14.58  
Yes f

10/31/2016

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

DAS  
26  
9-89

NOV 04 2016

Line Total: \$14.58

4 M6061T6B2.000X03.500 6061-T6 Bar 2.00 x 3.50 11/3/2016 12.00 \$24.00 \$288.00  
Yes f

11/3/2016

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR  
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116  
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR  
ASTM B221

DAS  
26  
9-89

NOV 04 2016

Line Total: \$288.00

5 M6061T6T0.3125W.058 ALUM TUBE .3125 x .058w 11/3/2016 24.00 \$7.92 \$190.00  
Yes f


11/3/2016

MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING  
AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR  
AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR  
ASTM B241

PO Instructions: quote 393332 and 393224

Note:

10/27/2016



**DART**  
 AEROSPACE

Dart Aerospace Ltd.  
 1270 Aberdeen Street  
 Hawkesbury, ON K6A 1K7  
 Tel: 613 632 9577  
 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO34079

Purchase Order Date 10/27/2016  
 PO Print Date 10/27/2016

Page Number 3 of 6

Order From :	VC-CAM002	Ship To :	DART AEROSPACE LTD
CAMPI STEEL		1270 ABERDEEN	
935 BOUL. DU HAVRE		HAWKESBURY, ON K6A 1K7	
VALLEYFIELD, QC J6S 5L1		CANADA	
CA			

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 667 4248	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	Yours ppd	Currency	CAD
Ship Acct:		FOB	FCA – (Free Carrier)

					Line Total:	\$190.00
6	M6061T6T0.375W.058	6061-T6 RD Tube .375 x.058W	11/3/2016	48.00	\$7.92	\$380.00
			Yes	f		
			11/3/2016			
MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241						
					Line Total:	\$380.00
7	M1010S18GA ✓	1010/1025 SHEET .048	10/31/2016	64.00 ✓	\$1.50	\$96.00
			Yes	sf		
			10/31/2016			
MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008, OR CSA G40-21, 38W/44W/50W/60W/70W MINIMUM YIELD TENSILE STRENGTH = 28KSI MINIMUM ULTIMATE TENSILE STRENGTH = 42 KSI COLD ROLLED						
					Line Total:	\$96.00

DAS  
26  
9-89

NOV 04 2016

DAS  
 26  
 9-89

NOV 04 2016

PO Instructions: quote 393332 and 393224  
 Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO34079

Purchase Order Date 10/27/2016

PO Print Date 10/27/2016

Page Number 4 of 6

Order From : VC-CAM002

CAMPI STEEL  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 800 667 4248

Ship To Contact  
Ship To Phone  
Ship Via: Yours ppd  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency CAD  
FOB FCA - (Free Carrier)

✓ 8 M303H0.500 303 HEX BAR .500 ✓ 11/3/2016 12.00 ✓ \$3.85 \$46.20

MATERIAL: AISI 303 SS HEX BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

DAS  
26  
9-89

DAS  
26  
9-89

NOV 04 2016

✓ 9 M303R0.500 303 Round Bar 0.500" ✓ 10/31/2016 24.00 ✓ \$1.92 \$46.10

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

DAS  
26  
9-89

DAS  
26  
9-89

NOV 04 2016

✓ 10 M303R1.000 303 Round Bar 1.00 ✓ 11/3/2016 12.00 ✓ \$7.20 \$86.40

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

DAS  
26  
9-89

DAS  
26  
9-89

NOV 04 2016

PO Instructions: quote 393332 and 393224

Note:

10/27/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO34079

Purchase Order Date 10/27/2016

PO Print Date 10/27/2016

Page Number 5 of 6

**Order From :**

VC-CAM002

**Ship To :** DART AEROSPACE LTD

CAMPI STEEL  
935 BOUL. DU HAVRE  
VALLEYFIELD, QC J6S 5L1  
CA

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 800 667 4248

**Ship To Contact**

**Ship To Phone**

**Ship Via:** Yours ppd

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

CAD

**FOB**

FCA - (Free Carrier)

**Line Total:** \$86.40

11 M304S16GA 304/316 Sheet .063 10/31/2016 128.00  
Yes  
10/31/2016 sf

\$6.51 \$833.11

PURCHASE MATERIAL: AISI 304/316 SS SHEET  
ANNEALED  
SPECIFICATION: MIL-S-5059  
OR AMS 5513 (304)  
OR AMS 5524 (316)  
OR ASTMA240  
OR ASME SA240

DAS  
26  
9-89

NOV 04 2016

**Line Total:** \$833.11

12 M304S22GA4P 304/316 Sheet .032 11/3/2016 32.00  
Yes  
11/3/2016 sf

\$4.69 \$150.00

MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER  
MIL-S-5059 OR AMS 5513 (304) AMS 5524 (316) ASTM A240 OR ASME SA240  
POLISH NO.4

DAS  
26  
9-89


NOV 04 2016

**Line Total:** \$150.00

**PO Instructions:** quote 393332 and 393224

**Note:**

10/27/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
  
**Purchase Order ID PO34079**  
  
**Purchase Order Date** 10/27/2016  
**PO Print Date** 10/27/2016  
  
**Page Number** 6 of 6

<b>Order From :</b>	VC-CAM002	<b>Ship To :</b>	DART AEROSPACE LTD
CAMPI STEEL		1270 ABERDEEN	
935 BOUL. DU HAVRE		HAWKESBURY, ON K6A 1K7	
VALLEYFIELD, QC J6S 5L1		CANADA	
CA			

<b>Contact Name</b>		<b>Buyer</b>	Chantal Lavoie
<b>Vendor Phone</b>	800 667 4248	<b>Customer POID</b>	
		<b>Customer Tax #</b>	10127-2607
<b>Ship To Contact</b>		<b>Terms</b>	Net 30
<b>Ship To Phone</b>		<b>Currency</b>	CAD
<b>Ship Via:</b>	Yours ppd	<b>FOB</b>	FCA – (Free Carrier)
<b>Ship Acct:</b>			

13	71401-45	PROCUREEMNT QUALITY CLAUSES	10/31/2016	1.00	\$0.00	\$0.00
			No			
		Procurement Quality Clauses	10/31/2016			
		A005 right of entry				
		A012 chemical and physical test report				
		A016 personnel qualification				
		A017 raw material identification (as applicable)				
		A026 certification of material conformance				
		A041 quality management system				
		A042 dart notification by supplier				
		A043 retension of quality documents				

**Line Total:**
**\$0.00**

**PO Total:**
**\$2,907.26**

**PO Instructions:** quote 393332 and 393224

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 1
**Change Date:** 10/27/2016